

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 July 2004 (29.07.2004)

PCT

(10) International Publication Number
WO 2004/063803 A1

(51) International Patent Classification⁷: G02F 1/1343,
H01L 27/146

[DE/DE]; c/o Philips Intellectual Property & Standards
GmbH, Weissshausstr. 2, 52066 Aachen (DE).

(21) International Application Number:
PCT/IB2004/000020

(74) Agent: MEYER, Michael; Philips Intellectual Property &
Standards GmbH, Weissshausstr. 2, 52066 Aachen (DE).

(22) International Filing Date: 9 January 2004 (09.01.2004)

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03100070.6 15 January 2003 (15.01.2003) EP

(71) Applicant (for DE only): PHILIPS INTELLECTUAL
PROPERTY & STANDARDS GMBH [DE/DE]; Stein-
damm 94, 20099 Hamburg (DE).

(71) Applicant (for all designated States except DE, US):
KONINKLIJKE PHILIPS ELECTRONICS N.V.
[NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven
(NL).

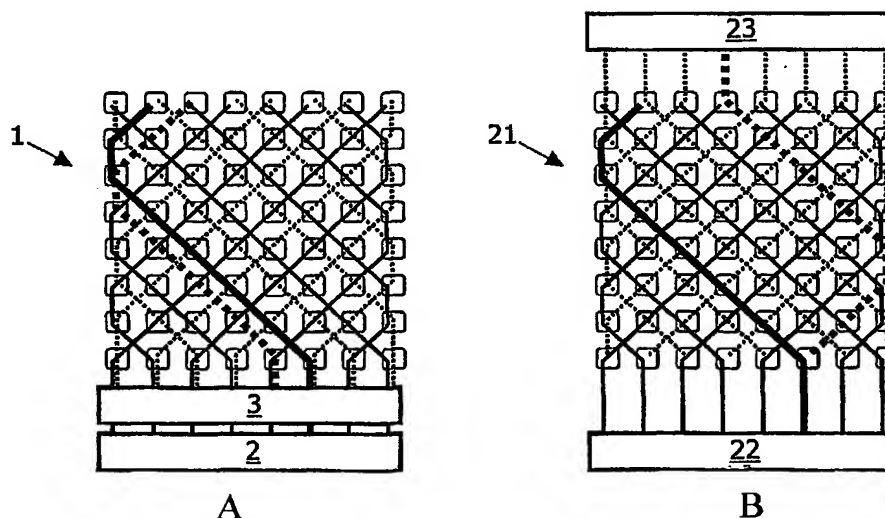
(72) Inventor; and

(75) Inventor/Applicant (for US only): MAACK, Hanns-Ingo

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD TG).

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(54) Title: DEVICE COMPRISING AN ARRAY OF ELECTRONIC ELEMENTS, BASED ON DIAGONAL LINE ROUTING



(57) Abstract: The invention relates to a device (1) having a matrix array of electronic field elements (F_{ij}), which may for example be sensor elements of an X-ray detector or pixels of a display. The field elements (F_{ij}) are connected to access lines (A_i , D_k) which, starting from a driver circuit (2, 3) at the border of the array, are routed in zigzag fashion along diagonals. In this way it is possible to provide address lines (A_i) and data lines (D_k) which are locally orthogonal to one another and make it possible for individual field elements (F_{ij}) to be addressed unambiguously. The associated driver circuits (2, 3) may be arranged at the same border or at opposite borders of the matrix, so that an array of almost any desired length can be put together from the device (1) without gaps in one dimension.